



# Define your CATIA skills

## AscendBridge Course Offerings

AscendBridge Solutions Inc. is one of North America's leading PLM Solution companies with an immaculate reputation for high quality, innovation and excellence. We specialize in providing leading edge Engineering, Consultancy & Design services to facilitate our customer's current and future requirements. The following is a sample of the courses that AscendBridge Instructors have taught since 2001.

### CATIA Analysis V5

- ELFINI Structural Analysis (EST)
- FEM Solid (FMD)
- FEM Surface (FMS)
- Generative Assembly Structural Analysis (GAS)
- Generative Dynamic Response Analysis (GDY)
- Generative Part Structural Analysis Expert (GPE)
- Generative Part Structural Analysis Fundamentals (GPF)

- Multi-Axis Surface Machining (NMG)
- Multi-Pockets Machining (MPG)
- Multi-Slide Lathe Machining (MLG)
- Numerical Control Infrastructure (NCI)
- Prismatic Machining (PMG)
- Prismatic Machining Preparation Assistant (MPA)
- Surface Machining (SMG)

### CATIA Equipment and Systems Engineering

- Electrical 3D Design and Documentation (EC1)
- Electrical Harness Flattening (EHF)
- Electrical Librarian and Harness Installation (EL1)
- Electrical Wire Routing (EWR)
- Piping and Instrumentation Diagrams (PID)
- Piping Design (PIP)

### CATIA Mechanical Design V5

- 2D Layout for 3D Design (L01)
- 3D Functional Tolerancing & Annotation (FTA)
- Advanced Drafting & Customizations (DRA)
- Aerospace Sheetmetal Design (ASL)
- CATIA Generative Drafting Fundamentals (ANSI) (GDRA)
- CATIA Generative Drafting Fundamentals (ISO) (GDRI)
- CATIA Generative Sheetmetal Design (SMD)
- CATIA Product Design Expert (ASM)
- CATIA V5 Fundamentals (V5F)
- Composites Part Engineering (CPE)
- Core and Cavity Design (CCV)
- Functional Molded Parts (FMP)
- Healing Assistant (HA1)
- Mold Tooling Design (MTD)

### CATIA Infrastructure V5

- CATIA Tools for Proficient Users (PRO)
- CATIA V5 Automation (VBA)

### CATIA Machining V5

- Advanced Part Machining (AMG)
- Lathe Machining (LMG)





# Define your CATIA skills

## CATIA Product Synthesis V5

- CATIA Knowledge Fundamentals (KWF)
- Knowledge Advisor (KWA)
- Knowledge Based Engineering - Advanced (KBE)
- Knowledge Based Engineering - Basic (KBE)
- Knowledge Expert (KWE)
- Product Engineering Optimizer (PEO)
- Product Knowledge Template (PKT)

## CATIA Shape Design and Styling V5

- CATIA Digitized Shape Editor (DSE)
- CATIA Imagine and Shape (IMA)
- CATIA Surface Design Expert (GSD)
- Developed Shapes (DL1)
- Freestyle Shaper, Optimizer & Profiler (FSS)
- Freestyle Sketch Tracer (FSK)
- Generative Shape Design Optimizer (GSO)
- Quick Surface Reconstruction (QSR)
- Realistic Shape Optimizer (RSO)

## Digital Mock-Up V5

- Digital Mock-Up Navigator (DMN)
- Digital Mock-Up Optimizer (DMO)
- Digital Mock-Up Space Analysis (SPA)
- DMU Fitting Simulator (FIT)
- DMU Kinematics Simulator (KIN)

## ENOVIA SmarTeam V5

- ENOVIA SmarTeam Administration for Foundation, Editor & Web Editor (STA)
- ENOVIA SmarTeam - CATIA Integration (TPU)
- ENOVIA SmarTeam - CATIA Supply Chain Engineering Exchange (SEE)
- ENOVIA SmarTeam - Editor (SED)
- ENOVIA SmarTeam Fundamentals (SFF)
- ENOVIA SmarTeam Installation for Foundation, Editor & Web Editor (ST1)
- ENOVIA SmarTeam - Web Editor (WED)

## SIMULIA Analysis V5

- Introduction to Non Linear Structural Analysis and Thermal Analysis (ANL)